Seat No.:	Enrolment No.
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GUJARAT TECHNOLOGICAL UNIVERSITY

B. E. - SEMESTER - VI • EXAMINATION - WINTER 2012

Subject code: 161907		code: 161907 Date: 09/01/2	Date: 09/01/2013	
Subje	ect l	Name: Industrial Engineering		
Time: 02.30 pm - 05.00 pm		.30 pm - 05.00 pm Total Marks:	Total Marks: 70	
Instr				
	1.	Attempt any five questions.		
		Make suitable assumptions wherever necessary.		
	3.	Figures to the right indicate full marks.		
Q.1	(a)		07	
	a >	suitable example	0=	
	(b)	Explain in detail method of weighted moving average	07	
Q.2	(a)	Explain in brief operation process charts and machine data cards	07	
Q. <u>-</u>	(b)	Explain Economic order quantity	07	
	(,-)	OR		
	(b)	Discuss in detail assembly line balancing.	07	
Q.3	(a)	Explain the applicability of P chart and C chart	07	
	(b)	Describe the term T.Q.M. and quality assurance. OR	07	
Q.3	(a)	Explain in brief Six sigma	07	
Q.J	(a) (b)	Describe the quality circles.	07	
	(6)	Beschee the quanty energy.	0,	
Q.4	(a)	State the importance of micro motion study	07	
	(b)	Differentiate between cumulative timing and fly back timing	07	
		OR		
Q.4	(a)	Explain in brief various charts and diagrammes utilized in method	07	
	(1.)	study.	07	
	(b)	Explain various tools for increasing productivity.	07	
Q.5	(a)	What are factory act? What are major provisions for safety and health?	07	
Q.C	(b)	Define wages and explain in detail various types of incentives.	07	
	()	OR		
Q.5	(a)	State various methods of job evaluation.	07	
	(b)	State various sources of industrial finance and government incentives	07	
		to entrepreneurs.		
